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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,243	08/22/2006	Kiyohito Hiromitsu	8007-1115	6750
466 YOUNG & TH	7590 05/13/200 OMPSON	EXAMINER		
209 Madison St	reet	BLADES, JOHN A		
Suite 500 ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			1791	
			MAIL DATE	DELIVERY MODE
			05/13/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/590,243	HIROMITSU ET AL.			
Office Action Summary	Examiner	Art Unit			
	JOHN BLADES	1791			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>08 Ar</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 13 and 16-19 is/are pending in the apy 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 13 and 16-19 is/are rejected. 7) Claim(s) 13 and 16-19 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 22 August 2006 is/are: Applicant may not request that any objection to the ore Replacement drawing sheet(s) including the correction	vn from consideration. relection requirement. r. a)⊠ accepted or b)□ objected the drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 08/22/06, 11/08/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

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Claims 13 & 16-19 are pending as amended on 04/08/2009.

Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 13 & 16-19 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over the current claims 24-28 of copending Application No. 10/537,358. Although the conflicting claims are not identical, they are not patentably distinct from each other because the

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methods of each claims of App. 10/537,358 describe simple cleaning using the same composition and structure of the invention which is claimed in the instant application. Using the invention of these pending claims for their intended use – that is, clamping in a mold die and applying heat/pressure – would be practicing the conflicting claims of '538.

3. This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 13 & 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Tsuchida et al.*, JP 2001-079857 in view of *Hoshino et al.*, US Patent 6,376,046.

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3. Tsuchida et al. teaches a mold conditioning sheet with porous base sheets made from fibrous material, enclosing a thermosetting resin and release agent and unvulcanized rubber molding member which is heat melted (see throughout machine translation, e.g. [0014-0024, 0034], FIGS. 1-2). This reference does not expressly disclose outermost base sheets with a porosity of 70% or more (although

it should also be noted that no limit to the degree of porosity is disclosed either).

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- 4. With regard to **claim 13**, Hoshino does teach a cleaning sheet with these highly porous outer layers which release greater than 70% of a detergent [Col. 15-16, Tables 1-2]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the highly porous outer layers of Hoshino with the basic mold cleaning sheet of Tsuchida et al., if one wanted to ensure high resin release for complete filling/cleaning of a mold cavity. Common sense dictates that more/larger pores would allow more material through the sheets.
- 5. With regard to **claim 16**, it is unclear whether Tsuchida et al. teaches *mineral powder* filler, however, Hoshino does expressly disclose the use of solid inorganic mineral particles for more abrasive cleaning power [Col. 8]. It would have been obvious to one of ordinary skill in the art to combine the mineral powder of Hoshino with the mold conditioning sheet of Tsuchida et al., if one desired a

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cost-saving inorganic filler to help thoroughly clean all recesses of the mold cavity [Col. 7-8].

6. With regard to **claims 17-19**, Tsuchida et al. and Hoshino do both teach sheets which are adhered, and this constitutes sealing by some sort of pressing/deformation. More specifically, Hoshino teaches a variety of cleaning sheet closure means, including thermal bonding with a sandwiched thermoplastic resin film, use of adhesives, and physical deformation of the sheets [Col. 6, 47-55, Col. 12]. These are all recognized as well-known solutions for sealing such a product. The products formed in the prior art are deemed to be equivalent to that which might be formed by the instant claims; it would have been obvious to one of ordinary skill in the art to combine with the mold conditioning sheet of Tsuchida et al.

Conclusion

The examiner also notes US Patents 4,956,132 (for cleaning sheet featuring the use of a curing agent) and 5,674,020 (for specific porosity values of a releasing sheet), and US Pub. 2004/0149312 as prior art which is relevant to the current claims.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN BLADES whose telephone number is (571)270-7661. The examiner can normally be reached on M-Th (6:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Del Sole can be reached on (571)272-1130. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J.B./
Patent Examiner

/Joseph S. Del Sole/ Supervisory Patent Examiner, Art Unit 1791